

11/4/09

Serial Number:

09/787,562

CRF Processing Date:

10/16/2001

Edited by:

A

Verified by:

(STIC staff)

SK

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically:
-
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:
-
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
-
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
-
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
-
- ☐ Deleted extra, invalid, headings used by an applicant, specifically:
-
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file;
☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically:
-
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically:
-
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____
-
-
-

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

RAW SEQUENCE LISTING

DATE: 10/16/2001

PATENT APPLICATION: US/09/787,562

TIME: 17:47:35

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\10162001\I787562.raw

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3 <110> APPLICANT: Binley, Katie M
4   Naylor, Stuart
6 <120> TITLE OF INVENTION: POLYNUCLEOTIDE CONSTRUCTS AND USES THEREOF
8 <130> FILE REFERENCE: 9192.16USWO
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/787,562
C--> 11 <141> CURRENT FILING DATE: 2001-08-20
13 <150> PRIOR APPLICATION NUMBER: PCT/GB98/02885
14 <151> PRIOR FILING DATE: 1998-09-23
16 <150> PRIOR APPLICATION NUMBER: GB 9901906.9
17 <151> PRIOR FILING DATE: 1999-01-28
19 <150> PRIOR APPLICATION NUMBER: GB 9903538.8
20 <151> PRIOR FILING DATE: 1999-02-16
22 <160> NUMBER OF SEQ ID NOS: 73
24 <170> SOFTWARE: PatentIn Ver. 2.1
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 25
28 <212> TYPE: DNA
29 <213> ORGANISM: Mus sp.
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36 <211> LENGTH: 19
37 <212> TYPE: DNA
38 <213> ORGANISM: Mus sp.
40 <400> SEQUENCE: 2
41 gtcggtgcag gacgtgaca                        19
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 243
46 <212> TYPE: DNA
47 <213> ORGANISM: Artificial Sequence
49 <220> FEATURE:
50 <223> OTHER INFORMATION: Description of Artificial Sequence: OBhrel
52 <400> SEQUENCE: 3
53 gctagagtcg tgcaggacgt gacatctagt gtcgtgcagg acgtgacatc tagtgctcgtg 60
54 caggacgtga cagctagccc gggctcgaga tctgcatct gcatctcaat tagtcagcaa 120
55 ccatagtccc gccctaaact ccgccatcc cgcctctaac tccgccagt tccgccatt 180
56 ctccgcccca tcgtgacta atttttttta tttatgcaga ggccgaggcc gcctcggcct 240
57 ctg                                           243
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61 <211> LENGTH: 229
62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:
66 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
67   construct
69 <400> SEQUENCE: 4
70 agctagccta gcgtcgtgca ggacgtgaca tctagtgtcg tgcaggacgt gacatctagt 60

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71 gtcgtgcagg acgtgacatc tagagaacca tcagatgttt ccagggtgcc ccaaggacct 120
72 gaaatgaccc tgtgccttat ttgaactaac caatcagttc gcttctcgct tctgttcgcg 180
73 cgcttctgct ccccgagctc aataaaagag cccacaaccc ctcaactcgg          229
76 <210> SEQ ID NO: 5
77 <211> LENGTH: 225
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
83     construct
85 <400> SEQUENCE: 5
86 aagctagctg tcacgtcctg caccgaccta gatgtcacgt cctgcacgac actagatgtc 60
87 acgtcctgca cgactctaga gaaccatcag atgtttccag ggtgccccaa ggacctgaaa 120
88 tgacctgtg ccttatttga actaaccaat cagttcgctt ctgctttctg ttgcgcgct 180
89 tctgtcctcc gagctcaata aaagagccca caaccctca ctcg          225
92 <210> SEQ ID NO: 6
93 <211> LENGTH: 72
94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
99     oligonucleotide
101 <400> SEQUENCE: 6
102 ctagctgtca cgtcctgcac gacactagat gtcacgtcct gcacgacact agatgtcacg 60
103 tcctgcacga ct          72
106 <210> SEQ ID NO: 7
107 <211> LENGTH: 249
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
113     promoter
115 <400> SEQUENCE: 7
116 gctagagtcg tgcaggacgt gacatctagt gtcgtgcagg acgtgacatc tagtgtcgtg 60
117 caggacgtga cagctagcat tccatcacgt ggcccgagag aagcatccgg agtactacaa 120
118 ggactgctga cagcgagatt tctacaaggg actttccgct ggggactttc cagggaggtg 180
119 tggcctgggc gggactgggg agtggcgagc cctcagatgc tgcataaag cagcagctgc 240
120 ttttgccc          249
123 <210> SEQ ID NO: 8
124 <211> LENGTH: 273
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Description of Artificial Sequence: Repressed
130     promoter
132 <400> SEQUENCE: 8
133 gctagagtcg tgcaggacgt gacatctagt gtcgtgcagg acgtgacatc tagtgtcgtg 60
134 caggacgtga cagctagcat tccatcacgt ggcccgagag aagcatccgg agtactacaa 120
135 ggactgctga cagcgagatt tctacaaggg actttccgct ggggactttc cagggaggtg 180

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136 tggcctgggc gggactgggg agtggcaagt gaaagtgaaa gtgaaagtga gagccctcag 240
137 atgctgcata taagcagcag ctgcttttgc ccc 273
140 <210> SEQ ID NO: 9
141 <211> LENGTH: 237
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Description of Artificial Sequence: OBhrell
148 <400> SEQUENCE: 9
149 gctagagtcg tgcaggacgt gacatctagt gtcgtgcagg catctagtgt cgtgcaggac 60
150 gtgacagcta gcccgggctc gagatctgcy atctgcatct caattagtca gcaaccatag 120
151 tcccgcccct aactccgccc atcccgcccc taactccgcc cagttccgcc cattctccgc 180
152 cccatcgctg actaattttt tttatttatg cagaggccga ggccgcctcg gcctctg 237
155 <210> SEQ ID NO: 10
156 <211> LENGTH: 12
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Description of Artificial Sequence: Spacer
163 <400> SEQUENCE: 10
164 gtcgtgcagg ca 12
167 <210> SEQ ID NO: 11
168 <211> LENGTH: 24
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Description of Artificial Sequence: Spacer
175 <400> SEQUENCE: 11
176 tctagtgtcg tgcaggcatc tagt 24
179 <210> SEQ ID NO: 12
180 <211> LENGTH: 18
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: Description of Artificial Sequence:
186 Oligonucleotide
188 <400> SEQUENCE: 12
189 gtcgtgcagt acgtgaca 18
192 <210> SEQ ID NO: 13
193 <211> LENGTH: 26
194 <212> TYPE: DNA
195 <213> ORGANISM: Homo sapiens
197 <400> SEQUENCE: 13
198 gggccctacg tgctgtctca cacagc 26
201 <210> SEQ ID NO: 14
202 <211> LENGTH: 26
203 <212> TYPE: DNA
204 <213> ORGANISM: Mus sp.
206 <400> SEQUENCE: 14

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207 gggccctacg tgctgcctcg catggc                26
210 <210> SEQ ID NO: 15
211 <211> LENGTH: 24
212 <212> TYPE: DNA
213 <213> ORGANISM: Mus sp.
215 <400> SEQUENCE: 15
216 cgcgtcgtgc aggacgtgac aaat                24
219 <210> SEQ ID NO: 16
220 <211> LENGTH: 30
221 <212> TYPE: DNA
222 <213> ORGANISM: Mus sp.
224 <400> SEQUENCE: 16
225 ccagcggacg tgcgggaacc cacgtgtagg          30
228 <210> SEQ ID NO: 17
229 <211> LENGTH: 26
230 <212> TYPE: DNA
231 <213> ORGANISM: Unknown Organism
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Description of Unknown Organism: Sequence source
235     uncertain
237 <400> SEQUENCE: 17
238 tccacaggcg tgccgtctga cacgca                26
241 <210> SEQ ID NO: 18
242 <211> LENGTH: 35
243 <212> TYPE: DNA
244 <213> ORGANISM: Homo sapiens
246 <400> SEQUENCE: 18
247 ccacagtgcata tacgtgggct ccaacaggtc ctctt    35
250 <210> SEQ ID NO: 19
251 <211> LENGTH: 24
252 <212> TYPE: DNA
253 <213> ORGANISM: Rattus sp.
255 <400> SEQUENCE: 19
256 acagtgcata cgtgggcttc caca                24
259 <210> SEQ ID NO: 20
260 <211> LENGTH: 17
261 <212> TYPE: DNA
262 <213> ORGANISM: Homo sapiens
264 <400> SEQUENCE: 20
265 actacgtgct gcctagg                17
268 <210> SEQ ID NO: 21
269 <211> LENGTH: 26
270 <212> TYPE: DNA
271 <213> ORGANISM: Homo sapiens
273 <400> SEQUENCE: 21
274 cccctcggac gtgactcgga ccacat                26
277 <210> SEQ ID NO: 22
278 <211> LENGTH: 37
279 <212> TYPE: DNA

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280 <213> ORGANISM: Homo sapiens
282 <400> SEQUENCE: 22
283 acgctgagtg cgtgcgggac tcggagtacg tgacgga
286 <210> SEQ ID NO: 23
287 <211> LENGTH: 28
288 <212> TYPE: DNA
289 <213> ORGANISM: Mus sp.
291 <400> SEQUENCE: 23
292 cggacgtgct ggcgtggcac gtcctctc
295 <210> SEQ ID NO: 24
296 <211> LENGTH: 242
297 <212> TYPE: DNA
298 <213> ORGANISM: Artificial Sequence
300 <220> FEATURE:
301 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
302     construct
304 <400> SEQUENCE: 24
305 ctagctgtca cgtcctgcac gacactagat gtcacgtcct gcaacgacact agatgtcacg 60
306 tcctgcacga ctctagcccg ggctcgagat ctgcgatctg catctcaatt agtcagcaac 120
307 catagtcccg ccctaactc cgcccatccc gccctaact ccgcccagtt ccgcccattc 180
308 tccgccccat cgctgactaa ttttttttat ttatgcagag gccgaggccg cctcggcctc 240
309 tg
312 <210> SEQ ID NO: 25
313 <211> LENGTH: 223
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
319     construct
321 <400> SEQUENCE: 25
322 gatctgaggg ccggacgtgg ggccccagag cgacgctgag tgcgtgcggg actcggagta 60
323 cgtgacggag ccccgatct gcatctcaat tagtcagcaa ccatagtccc gccctaact 120
324 ccgcccatac cgcccctaac tccgcccagt tccgcccatt ctccgcccc cgtctgacta 180
325 atttttttta tttatgcaga ggccgaggcc gcctcggcct ctg
328 <210> SEQ ID NO: 26
329 <211> LENGTH: 155
330 <212> TYPE: DNA
331 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:
334 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
335     construct
337 <400> SEQUENCE: 26
338 gatctgaggg ccggacgtgg ggccccagag cgacgctgag tgcgtgcggg actcggagta 60
339 cgtgacggag ccccgatct gagggccgga cgtggggccc cagagcgacg ctgagtgcgt 120
340 gcgggactcg gactacgtga cggagccccg gatct
343 <210> SEQ ID NO: 27
344 <211> LENGTH: 267
345 <212> TYPE: DNA
346 <213> ORGANISM: Artificial Sequence

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/787,562

DATE: 10/16/2001

TIME: 17:47:37

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\10162001\I787562.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date